

The following claims are presented for examination:

1. (currently amended) ~~Modular~~ A modular electrical jack connector system comprising:

at least one jack connector housing (100, 101, 102); and

at least one therein inserted jack connector-subassembly (200);

wherein the jack connector housing (100, 101, 102) is formed for the purpose of modular adjacent stringing to at least one further jack connector housing; ~~and~~

wherein each jack connector housing (100, 101, 102) comprises a front coupling side having at least two openings (110, 111) which openings (110, 111) are disposed one above the other for the purpose of receiving a variety of electrical plug connectors through the front coupling side and an oppositely disposed with respect to the front coupling side rear side (112) for the purpose of inserting at least one jack connector subassembly (200); ~~and~~

wherein each jack connector subassembly (200) comprises a longitudinal strip-like carrier (250) having a substantially right-angled profile and having on the top and on the bottom respectively a series of extrusion-coated or injection-molded jack terminals (260) which extrusion-coated or injection-molded jack terminals (260) embody at a front end of the strip-like carrier uncoated and bent-back cantilevered contact portions (265, 266) which uncoated and bent-back cantilevered contact portions (265, 266) are disposed aligned in an upper opening (110) and/or into a lower opening (111) of the jack connector housing (100, 101, 102).

2. (currently amended) ~~Jack~~ The modular electrical jack connector system ~~according to Claim 1 having~~ of claim 1 further comprising a variety of modularly adjacently strung jack connector housings (100, 101, 102);

wherein each jack connector housing is formed out of a plastic material and for the purpose of receiving respectively one jack connector subassembly (200).

3. (currently amended) ~~Jack~~ The modular electrical jack connector system ~~according to one of the preceding claims~~ of claim 1 wherein

respectively one metallic shield (500) is inserted between individual adjacently strung jack connector housings (100, 101, 102).

4. (currently amended) ~~Jack~~ The modular electrical jack connector system ~~according to one of the preceding claims of claim 1~~ wherein the strip-like carrier (250) is modularly constructed out of two stackable carrier halves wherein each half comprises an extrusion-coated or injection-molded arrangement of jack terminals.

5. (currently amended) ~~Jack~~ The modular electrical jack connector system ~~according to the preceding claim of claim 4~~ wherein a metallic shield plate (270) is disposed sandwich-like between two carrier halves.

6. (currently amended) ~~Jack~~ The modular electrical jack connector system ~~according to one of the preceding claims of claim 1~~ wherein the extrusion-coating of the jack connectors up to the uncoated area of the contact portions (265, 256) forms a bump or knuckle-like thickening (269).

7. (currently amended) ~~Jack~~ The modular electrical jack connector system ~~according to one of the preceding claims of claim 1~~ wherein the strip-like carrier ~~modular~~ is modularly constructed out of two stackable identical carrier halves (251, 252) and wherein each carrier half respectively comprises a complementarily formed engaging device (253a, 253b, 254a, 254b).

8. (currently amended) ~~Jack~~ The modular electrical jack connector system ~~according to one of the preceding claims of claim 1~~ wherein for the purpose of signal conditioning the jack connector subassembly comprises correspondingly adapted component modules (280, 261) which correspondingly adapted component modules (280, 281) are disposed at least adjacently with respect to a top surface of the strip-like carrier.

9. (currently amended) ~~Jack~~ The modular electrical jack connector system ~~according to one of the preceding claims of claim 1~~ wherein a variety of different conditioning component modules is connectable with the jack connector subassembly.

10. (currently amended) ~~Jack~~ The modular electrical jack
connector system ~~according to one of the preceding claims of claim 1~~
wherein the jack connector subassembly comprises a variety of signal pins (220)
which signal pins (220) extend outwards on one side.

11. (currently amended) ~~Jack~~ The modular electrical jack
connector system ~~according to one of the preceding claims of claim 1~~
wherein the jack connector subassembly comprises pins for an inline power
supply.

12. (currently amended) ~~Jack~~ The modular electrical jack
connector system ~~according to one of the preceding claims of claim 1~~
wherein the jack connector subassembly comprises two separated carrier plates
(210) and particularly printed circuit boards for the purpose of mechanically
holding together the components and their electrical circuitry encompassed by
the jack connector subassembly.

13. (currently amended) ~~Jack~~ The modular electrical jack
connector system ~~according to the preceding claim of claim 12~~, wherein
between the carrier plates (210) is disposed the strip-like carrier (250).

14. (currently amended) ~~Jack~~ The modular electrical jack
connector system ~~according to one of the preceding claims of claim 1~~
wherein is disposed between the carrier plates (210) at least one
electrical/electronic components encompassing box-type module (280, 281).

15. (currently amended) ~~Jack~~ The modular electrical jack
connector system ~~according to one of the preceding claims of claim 1~~
wherein on the outside of the carrier plates are disposed electrical/electronic
components (255).

16. (currently amended) ~~Jack~~ The modular electrical jack
connector system ~~according to one of the preceding claims of claim 1~~
wherein the jack connector subassembly is equipped with LED pins.

17. (currently amended) Jack The modular electrical jack
connector system ~~according to the preceding claim of claim 16~~ wherein the jack connector subassembly comprises at least one right-angularly radiating LED (290) whose light is forwardly and outwardly guidable via a wave-guide (291) to the front coupling side.

18. (currently amended) Jack The modular electrical jack
connector system ~~according to the preceding claim of claim 17~~ wherein the jack connector housing is formed with guiding channels (180) for the purpose of receiving the wave-guide.

19. (currently amended) Jack The modular electrical jack
connector system ~~according to one of the preceding claims of claim 1~~ wherein the jack connector housing or housings is/are disposed on at least one earth plate (400) and particularly a printed circuit board which printed circuit board comprises openings (410) for the purpose of receiving the out of each jack connector subassembly guided signal pins (220).

20. (currently amended) Jack The modular electrical jack
connector system ~~according to the preceding claim of claim 19~~ wherein the earth plate (400) simultaneously carries further electrical/electronic components.

21. (currently amended) Jack The modular electrical jack
connector system ~~according to one of the two preceding claims of claim 19~~ wherein the earth plate (400) comprises a sandwich-like multi-layered composite structure.

22. (currently amended) Jack The modular electrical jack
connector system ~~according to one of the preceding claims of claim 1~~ wherein the jack connector housing or housings is or are encompassed by an external shield housing (300).

23. (currently amended) Jack The modular electrical jack
connector system ~~according to the preceding claim of claim 22~~ wherein each inserted jack connector-subassembly (200) is directly soldered to the external shield (300).

24. (currently amended) ~~Jack~~ The modular electrical jack
connector system ~~according to one of the preceding claims of claim 1~~
wherein the external shield is constructed in two portions wherein the first
portion (315) is attachable to said jack connector housing from the front coupling
side of the jack connector housing and wherein the second shield portion (320) is
solderable to the first portion (315) and is attachable to the jack connector
housing from the rear side of said jack connector housing.

25. (currently amended) ~~Jack~~ The modular electrical jack
connector system ~~according to one of the preceding claims of claim 1~~
wherein for the purpose of stringing together the jack connector housings said
jack connector housings comprise respectively complementarily developed
fastening devices (115, 116).

26. (currently amended) ~~Jack~~ The modular electrical jack
connector system ~~according to one of the preceding claims of claim 1~~
wherein at least intermediately strung and/or stringable jack connector housings
(100) are identically constructed.

27. (currently amended) ~~Jack connector housing (100, 101, 102)~~
~~for a modular electrical jack connector system according to one of the~~
~~preceding claims~~ **A jack connector housing (100, 101, 102) for a**
modular electrical jack connector system;

wherein the jack connector housing (100, 101, 102) is formed for
the purpose of modular adjacent stringing to at least one further jack
connector housing;

wherein each jack connector housing (100, 101, 102) comprises a
front coupling side having at least two openings (110, 111) which
openings (110, 111) are disposed one above the other for the purpose
of receiving a variety of electrical plug connectors through the front
coupling side and an oppositely disposed with respect to the front
coupling side rear side (112) for the purpose of inserting at least one
jack connector subassembly (200); and

wherein the jack connector housing is modularly stringable and connectable to at least one further such jack connector housing.

28. (currently amended) ~~Jack connector subassembly (200) for a modular electrical jack connector system according to one of the preceding claims characterised by~~ A jack connector subassembly (200) for a modular electrical jack connector system, said jack connector subassembly (200) comprising a longitudinal strip-like carrier (250) comprising a substantially right-angled profile and having on the top and on the bottom respectively a series of extrusion-coated or injection-molded jack terminals (260) which extrusion-coated or injection-molded jack terminals (260) embody at a front end of the strip-like carrier uncoated and bent back cantilevered contact portions (265, 256) which uncoated and bent back cantilevered contact portions (265, 256) are alignable in an upper opening (110) and/or in a lower opening (111) of a jack connector housing.

29. (currently amended) ~~Longitudinal~~ A longitudinal strip-like carrier (250) comprising a substantially right-angled profile and having on the top and on the bottom respectively a series of extrusion-coated or injection-molded jack terminals which extrusion-coated or injection-molded jack terminals embody at a front end of the strip-like carrier uncoated and bent back cantilevered contact portions particularly for a modular electrical jack connector system ~~according to one of the preceding claims.~~

30. (currently amended) ~~Longitudinal strip-like jack terminal carrier for a modular electrical jack connector system according to one of the preceding claims~~ The longitudinal strip-like carrier (250) according to claim 29 wherein the strip-like carrier (250) is modularly constructed out of two stackable identical carrier halves (251, 252) and wherein each carrier half respectively comprises complementary engaging means (253a, 253b, 254a, 254b).